

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) ~~Method-A method of storing user data on and of reading stored user data from a rewritable data storage medium comprising a read-only fixed data area and a recordable data area wherein, said method comprising the steps of:~~

5 ~~— storing system data are stored in the recordable data area of the rewritable data storage medium;~~

~~— generating a cryptographic summary of the system data;~~

~~— storing the cryptographic summary is generated and stored in the fixed data area of the rewritable data storage medium;~~

10 ~~— verifying the system data stored in the recordable data area using the stored cryptographic summary; and~~

~~— enabling the cryptographic summary is used for verification of the system data before reading and/or recording of user data in dependence on the verifying step.~~

2. (Cancelled) .

3. (Currently Amended) ~~Method-The method as set forth claimed in claim 1, characterized in that a hash function is used for generating the cryptographic summary and for verifying the system data.~~

4. (Currently Amended) ~~Method~~ The method as set forthclaimed in claim 1, characterized in that a message authentication code algorithm is used for generating the cryptographic summary and for verifying the system data.

5 5. (Currently Amended) ~~Method~~ The method as set forthclaimed in claim 1, characterized in that a key signature algorithm is used for generating the cryptographic summary and for verifying the system data, and that a signature is stored as cryptographic summary.

6. (Currently Amended) ~~Method~~ The method as set forthclaimed in claim 1, characterized in that the cryptographic summary is generated and the system data are stored in the recordable data area as part of the ~~a~~ formatting of the storage medium.

5 7. (Currently Amended) ~~Method~~ The method as set forthclaimed in claim 1, characterized in that copy protection information is stored as system data, ~~in particular~~ said copy protection information including a unique storage medium identifier, a key encrypted by one or more different manufacturer-specific or device-specific keys or one or more lists of revoked devices or revoked storage mediums.

8. (Currently Amended) ~~Method~~ The method as set forthclaimed in claim 1, characterized in that the system data is originally stored in a corner area of the recordable data area and that during first use of the storage medium in a recording apparatus, the system data are copied to a user data area of the recordable data area.

9. (Currently Amended) ~~Storage~~ A storage medium for storing user data comprising:

— a recordable data area in which system data are stored, — a read-only fixed data area in which a cryptographic summary of the system data is stored,

wherein said storage medium cooperates with a recording and/or reproducing apparatus such that the stored cryptographic summary being provided for verification of is used to verify the stored system data before enabling reading and/or recording of user data.

10. (Cancelled).

11. (Currently Amended) ~~Storage~~ The storage medium as set forthclaimed in claim 9, characterized in that the storage medium is a rewritable optical storage medium, in particular a CD or a DVD.

12. (Currently Amended) Recording—A recording apparatus for storing user data on a rewritable data storage medium, said rewritable data storage medium having system data stored in a recordable data area and a cryptographic summary of the stored system data stored in a read-only fixed data area, said recording apparatus comprising:

— generating means for generating a reading the cryptographic summary of system data and;

— recording verifying means for storing verifying the stored system data in a recordable data area of the medium and for storing using the cryptographic summary in a read only fixed data area of the medium, the cryptographic summary being provided for verification of the system data before reading and/or;

Enabling means for enabling recording of user data in dependence on the verification of the system data; and

Recording means for storing the user data in the recordable data area of the rewritable data storage medium.

13. (Cancelled).

14. (Currently Amended) Playback—A playback apparatus for playback of user data stored on a rewritable data storage medium, said rewritable data storage medium having system data stored in a recordable data area and a cryptographic summary of the stored system data stored in a read-only fixed data area, said playback apparatus comprising:

reading means for reading the system data stored in the recordable data area of the rewritable data storage medium and for reading a the cryptographic summary of the system data stored in a

10 the read-only fixed data area of the medium and;

verifying means for generating a cryptographic summary of verifying the system data read from the medium and for verification of the system data by use of the generated using the cryptographic summary; and

15 Enabling means for enabling, in response to the verification, the reading means to read the user data.

15-24. (Cancelled).

25. (Currently Amended) The storage medium as claimed in claim 9, wherein the fixed data area comprises a first fixed data area and a second fixed data area, the system data being stored in the second fixed data area and the cryptographic summary of the system

5 data being stored in the first fixed data area.

26. (Currently Amended) The storage medium as claimed in claim 25, wherein the second fixed data area is a corner area.

27. (Currently Amended) The storage medium as claimed in claim 26, wherein the corner area is formed by pressed pits in the storage medium.

28. (Currently Amended) The storage medium of ~~as claimed in~~ claim 25, wherein the first fixed data area is a burst cut area.

29. (Currently Amended) A method of recording user data on a rewriteable storage medium comprising a fixed data area and a recordable data area, wherein system data is stored in the recordable data area and a cryptographic summary of the system data 5 is stored in the fixed data area, ~~said method comprising the steps of:~~

generating a second cryptographic summary of the system data;

comparing the second cryptographic summary with the 10 cryptographic summary from the fixed data area; and recording the user data in the recordable data area based on the comparing the second cryptographic summary with the cryptographic summary from the fixed data area.

30. (Currently Amended) A recording apparatus for recording user data on a rewriteable storage medium comprising a fixed data area and a recordable data area, wherein system data is stored in the recordable data area and a cryptographic summary of the system 5 data is stored in the fixed data area, ~~said recording apparatus comprising:~~

means for reading the system data from the recordable data area and for reading the cryptographic summary from the fixed data area;

10 means for generating a second cryptographic summary of the system data;

means for comparing the second cryptographic summary with the cryptographic summary from the fixed data area; and

means recording the user data in the recordable data area  
15 based on the comparing the second cryptographic summary with the cryptographic summary from the fixed data area.